DQM Test: SAM vs DFC

- Register to SAM
  http://cdfdb-prd.fnal.gov/sam_admin/cgi/autoRegister.py
  - If not: "Person identifier userName with name 'cdfdqm' not found" when trying to create a SAM dataset
- Change in submission
  - Sam create dataset –group="test" –defName="DQM_aexp0b_193008" –dim="cdf.dataset aexp0b and run_number 193008"
    - Before (DFC): nothing
  - In CafSubmit: --dhaccess=SAM –dataset=DQM_aexp0b_193008
    - Before (DFC): --dhaccess=DFC –dataset=aexp0e
- Change in DHInput
  - cache set SAM
    - Before (DFC): cache set DFC
  - include dataset DQM_aexp0b_193008
    - Before (DFC): include dataset aexp0e run=193008
  - selectEvents set run=193008
    - As before (DFC)

Comparison

- Compare aexp0e through SAM
  / aexp0e directly from DFC
  - 20 runs: 193458 to 193856
    - OK: all offline DQM histograms are exactly the same (except one that is using random cones, very similar)

- Compare aexp0b from SAM
  / aexp0e directly from DFC
  - 20 runs: 192988 to 193032
    - 6 runs incomplete in SAM
      - Nb Produced Events < Nb Processed Events
      - Should be fixed after February 10th: filesize increased from 1GB to 1.8GB
      - Nothing in Sam Store but Nb Produced Events = Nb Processed Events for what have been processed after this date
    - 14 runs with the same Nb events in aexp0b and aexp0e
      - OK: all offline DQM histograms are exactly the same (except one that is using random cones, very similar)
        » See http://fcdfwww.fnal.gov/~cdfdqm/SAMtest to check what are for the different histograms (will be available by the end of the day)

Switching to SAM

- Please make sure Nb of Produced Event is correct
- We need stream A, B and G processed with Pass 11A (or 17A) and available in Sam Store within a week
  - Please make sure you can do that
    - Now in Sam Store: only aexp0b, last run completely in Sam Store (all files stored) is 193049 (January 31st)